

**LIQUID CRYSTAL DISPLAY ELEMENT, LIQUID CRYSTAL DISPLAY DEVICE
USING THE ELEMENT, PARALLEL ELECTRIC FIELD TYPE LIQUID CRYSTAL
DISPLAY DEVICE, AND REFLECTION TYPE LIQUID CRYSTAL DISPLAY
DEVICE**

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Applicant(s): MITSUBISHI ELECTRIC CORP +

Classification:

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G02F1/13; G09F9/30; H01L29/66; (IPC1-7): G02F1/1343;
G02F1/136; G09F9/30; H01L29/786

- European:

Application number: JP19980124601 19980507

Priority number(s): JP19980124601 19980507

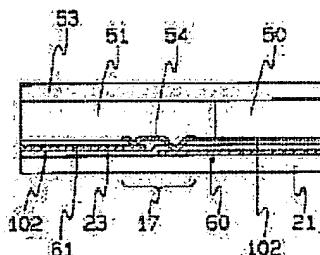
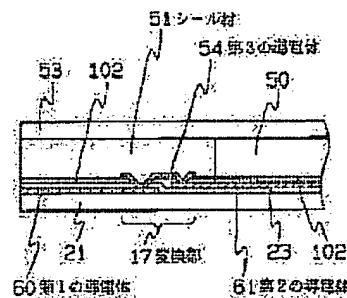
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Abstract of JP 11326942 (A)

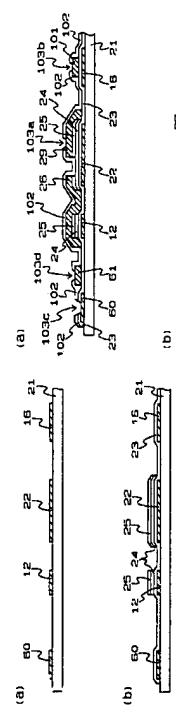
PROBLEM TO BE SOLVED: To eliminate the corrosion, physical damage, and leak to the outside of a display device of a conversion part and to obtain a liquid crystal display element having a high reliability by arranging the conversion part so that it is covered with a seal material in an area where the seal material is formed. **SOLUTION:** A third conductor 54 having a desired shape is formed by a photomechanical process and etching. In a conversion part 17, a first conductor 60 and a second conductor 61 are connected through a contact hole 103c and a contact hole 103d by the third conductor 54. Further, liquid crystal 51 is held between a substrate 21 and a counter substrate 53, and they are joined by a seal material 50, thus producing a liquid crystal display device. In this case, the third conductor 54 of the conversion part 17 is covered with the seal material. Since the third conductor 54 of the conversion part 17 is covered with the seal material, the part where liquid crystal 50 exists and the part where the third conductor 54 exists are separated from each other. Thus, the degradation of liquid crystal in the vicinity of the third conductor 54 is prevented.



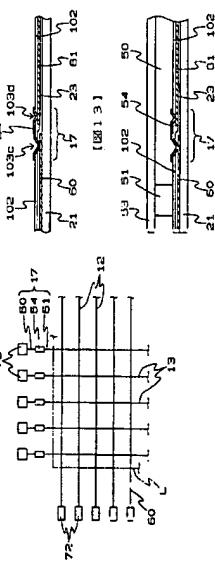
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〔圖5〕〔圖4〕



[圖 1-2]



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